

## Product datasheet for **SC205741**

### Chk1 (CHEK1) (NM\_001114122) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Chk1 (CHEK1) (NM_001114122) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CHEK1
Synonyms:	CHK1
ACCN:	NM_001114122
Insert Size:	1857 bp



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<b>Insert Sequence:</b>	<p>&gt;SC205741 3'UTR clone of NM_001114122 The sequence shown below is from the reference sequence of NM_001114122. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGCCAGAAGATTTGGCTTCTGCCCACATGATCGGACCATCGGCTCTGGGAATCCTGGTGAATATAGTG CTGCTATGTTGACATTATTCTTCTAGAGAAGATTATCCTGTCCTGCAAACTGCAAAATAGTAGTTCCTG AAGTGTTCACTTCCCTGTTTATCCAAACATCTTCCAATTTATTTTGTGTTGTTGCGCATACAAATAATAC CTATATCTTAATTGTAAGCAAACTTTGGGAAAGGATGAATAGAATTCATTTGATTATTTCTTCATGT GTGTTTAGTATCTGAATTTGAACTCATCTGGTGGAAACCAAGTTTCAGGGGACATGAGTTTTCCAGCT TTTATACACAGTATCTCATTATTTATCAAAACATTTTGTAAATCAAAAAGTACATATCCATGTTGA TTAATTCTAAGATGAACCAATAAAGACATAATCTTGACTTTTGGACAGTAGATTTATCAGTCTGT GAAGCGAAGCCAGCTTCAAACATATCCCAAGATTTGTAATTTTCAAAAGGCGCTGGCCAGTT ATATAAACCTGTTTTGAATTATAATGATTAATTAATTAATGCAAGTAGGTGTTTTTCCAGTGTAGTTA GTAAAATACTTGTATTTTACAGTGTGCATAAACTCTAGTGCTTAACTAACTTTACTCTAAAAATTA GTTGAACATCTTAAATATTTTCTATATTTTCTACTTTTCATAGCCATATTTTAACTTTTCACTTACT GGTGACCAAGCTTTTAGGTGATAAAGAATAAAGAGGGGAAGGGAAGGTAAGGAAGCTATAAGAAAAAT AGATCTGATTCTTTGTTCTTTACCTGTTAGACTTACAAAAAGTTTGTGTTTTCTAATAAAATTTGTATC AACTTTGGGGCATATTAGGTTGAGGCCTGGCTCCTGCCTGTAGTCCCAGCTACTTAGGAGGCTGAGAG AGGAGGATCGCGTGAACCTGGAAGTTGAGGCTGTAGTGAGCTATGATTGCACCAGTGCCTCCAGCTT GGATGACAGAGTAAGACCCTACCTCTAATAAAAAATTTTAAATTTGTAACATTATAAAATTAATCAG TTATTTAATCTGAAGCCAAGAACATGTAGAATGTTATGATTAGAGTTTATCACATATTAATGTACT GGCAAATTTGTTACTGGAGTATACCCATAGGAGGAATAAATTCAAACCTGTTTTATTTATTTGAACCT ATTTACGGTATGCTTAAGAATTGAATCAGTATAAATTCTCAAATATGGGAGAAATTTGTTCTTGAGAA TTATCTGAGTCATTAATATTTTCAAACAGCTCTCACTGACTTGAACCTCTTCTGTAAGCTCTAACC TTTTACCTGCTTTACATTTCCACTTGAATGTCTAGTAGGCATCTTGGACAAAAACAGCTTTTGATTC CTGTTCTCCAACCTGTTCTCCTAGTTTTCTCCATCTCAGAAATGTTACTTCTCTGCAAAGTCTTT CCCTGACTTATCTAAAAATAAACCTCCTGTTTGTGTTGGAAATTTGTATAGAATGGTGGGAAAATT TCAAGTTTCATATTTGGATTAGCTCTGACATTTATTTATCTGAACACTGGTAATTCCTCAGTAAAGAC ACTGATAATAAGTACCTTTTAGAGTTATTTAATCTTTAATGCTTAATGTGTAGGAAGAGTATAGTGT CCTGTTTTGCACAGAAAGCATTCTGTAATAATAAGTTGCCTAATTTTCTGTAATGTTTCATTATAT TGTTGTGGGAAGGATTTACTCCTATTATTAATAATAAATGTGTAATTTACTACCTGAA ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG</pre>
<b>Restriction Sites:</b>	Sgfl-MluI
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_001114122.3</a>

**Summary:** The protein encoded by this gene belongs to the Ser/Thr protein kinase family. It is required for checkpoint mediated cell cycle arrest in response to DNA damage or the presence of unreplicated DNA. This protein acts to integrate signals from ATM and ATR, two cell cycle proteins involved in DNA damage responses, that also associate with chromatin in meiotic prophase I. Phosphorylation of CDC25A protein phosphatase by this protein is required for cells to delay cell cycle progression in response to double-strand DNA breaks. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2011]

**Locus ID:** 1111

**MW:** 71.5